**ECM2434 Group Engineering Specification**

**Submission:**

1. Process Documents

* Kanban board divided into four columns (Backlog, Specification, Implementation, Validation)
* Records of meetings (including attendance and tasks)

1. Technical Documents

* All code needed for the project in one file/link, with instructions on how to deploy
* Testing and documentation needed

1. Product Documents

* Everything the client would receive/see

1. Showcase Video

* Short MP4 video to recap the process, how product works, and who did what
* No more than 6 minutes long (max 1 min per person)

**Product Features:**

Summary:

* Treasure hunt game intended for freshers to use in groups on a mobile device that will take them through all the places they will need to know
* Students will use the game on mobile device
* Game keeper will be able to configure and update game, will be doing this on a laptop/desktop
* Developers will be able to rebuild and extend the app with access to source code from online repository

Features:

1. Location

* Teams will have to verify that they have been to every location on the route
* Photos can be taken by them to be verified by the game keeper at the end of the route. Good as creates memories but doesn’t allow verification until the end location where it may be too late for students to go back.
* QR codes can be scanned at the location to ensure that they are at the right place. Can also see progress of students while it is going on.
* GPS location can be used to show live progress of the students around the route. Good for 2 factor authentication and also implementing live leader board/timings.
* IP address can show the location of the students. Ensures that the students can use their logins and access the university WIFI.

1. Links & Locations of Facilities

* Helps students to find key things around campus they will need (toilets, food, etc)

1. Lists of Important People

* Shows key lecturers relevant to their course/department

1. Search Function

* Navigate important resources and Uni policies from the Uni webpages

1. FAQs

* List of frequently asked questions and answers to alleviate pressure from staff

1. Notification/Help

* Students can request help if they’re lost or overwhelmed
* Not replacement for emergency services

1. Acknowledge Diversity

* Promote inclusivity
* Foreign languages
* Accessible routes through campus (lifts instead of stairs)

(Numbers 2 onwards are ‘some suggestions for resources to help the students’ – not all are vital and also not everything may have been included)